HARDWARE

COMPUTERS

PERIPHERALS

102

DISKS

COMMUNICATION GEAR

INTERFACES

MASK-MAKING

TESTERS

SOFTWARE
OPERATING SYSTEMS
LANGUAGES
DATABASES
DEVELOPMENT TOOLS
EDA TOOLS
WEB TOOLS
APPLICATIONS

COMMUNICATION
INTERNET
WAN
LAN
CO-LOCATION SITES

<u>IP</u> TECHNOLOGY ASIC PRODUCTS SYSTEM IP METHODOLOGY

FIG. 1

108

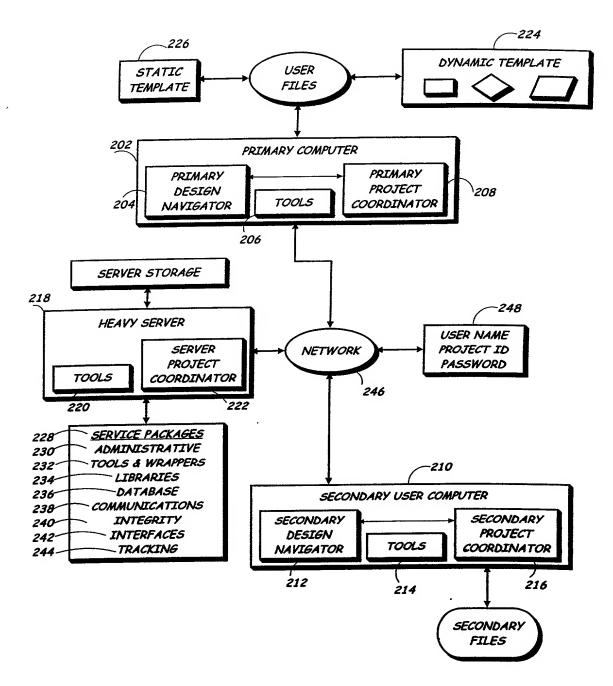


FIG. 2

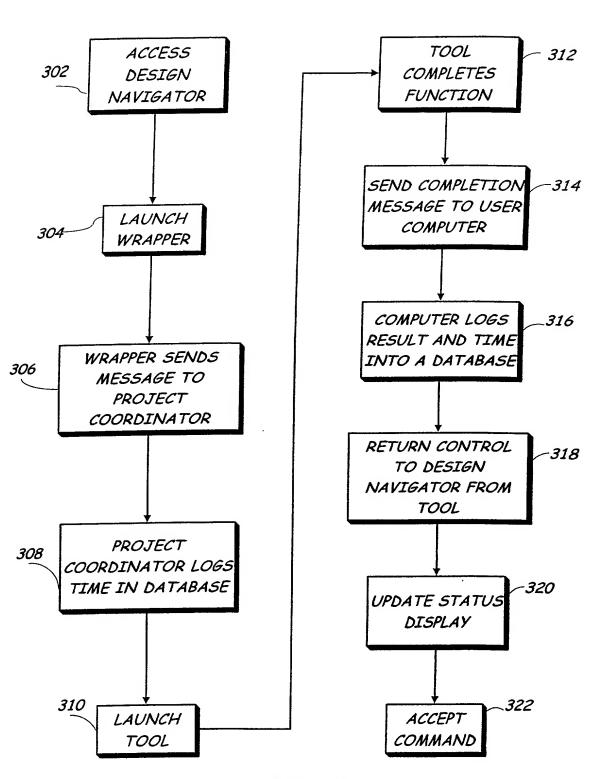


FIG. 3

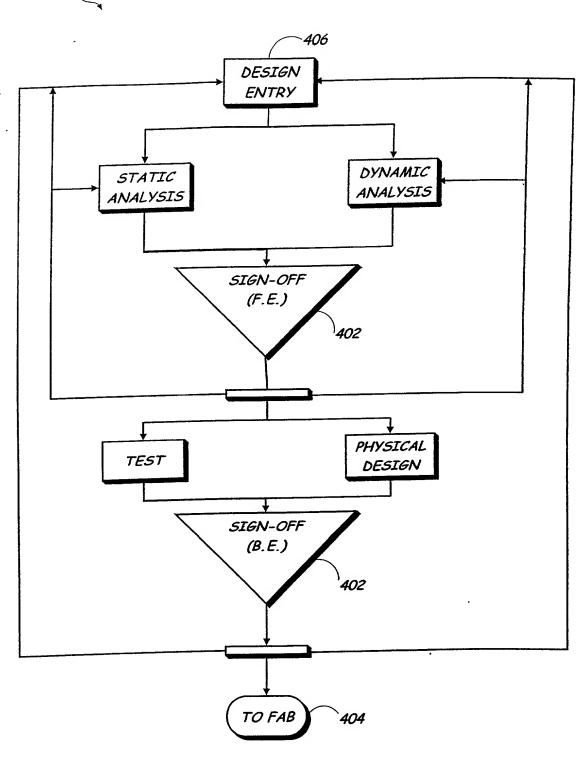


FIG. 4A

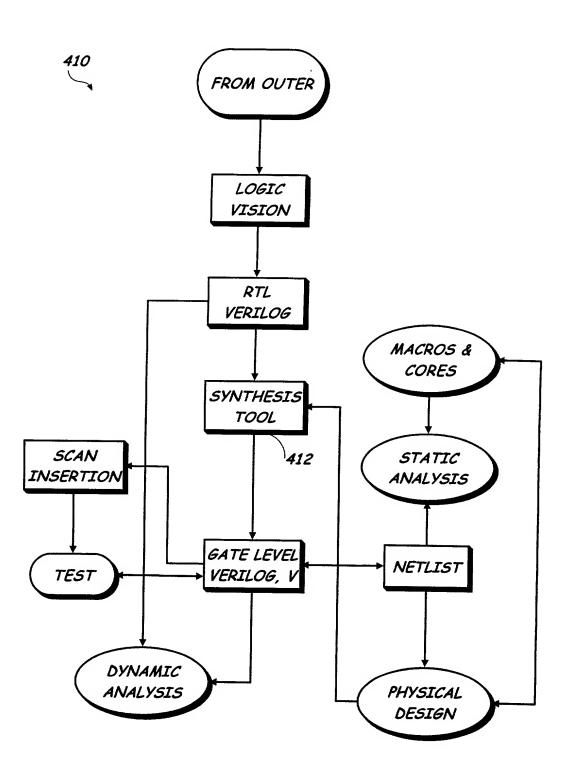


FIG. 4B

TENER TO THE TO THE TENER TO TH

FIG. 4C

500

502

GLOBAL

NO. OF USERS
NO OF PROJECTS
NO. OF SERVERS
TOTAL SERVER TIME
TOTAL SERVER TIME (NORMALIZED)
AVERAGE SERVER TIME/PROJECT

BY PROJECT

PROJECT STATISTICS

NO. OF USERS

SERVERS USED

TOTAL PROJECT SERVER TIME

SERVER TIME/USER

NO. OF TOOL RUNS

TOOL RUNS/USER

PERCENTAGE CRASHED

PERCENT USEFUL TIME

504

<u>BY SERVER</u> TYPE OF SERVER

SERVER UP TIME

NO OF TOOLS RUN

AVERAGE SERVER TIME/TOOL RUN NO. OF TOOL CRASHES

PERCENT SERVER USEFUL TIME

508

506

BY TOOL

NO. OF TOOL RUNS
NORMALIZED AVG. SERVER TIME/RUN
NO. OF TOOL CRASHES
PERCENT USEFUL TIME

510

CROSS-CORRELATIONS
CRASHES VS. PROJECT
CHARACTERISTICS
SYSTEM USAGE VS. PROJECT
CHARACTERISTICS

SYSTEM USAGE VS. NO. OF SITES

512

OTHER

FIG. 5